The Health State
HAWAII STATE DEPARTMENT OF HEALTH
P. O. BOX 3378
HONOLULU, HAWAII 96801

STATE OF HAWAII
DEPARTMENT OF HEALTH

HAZARD EVALUATION
AND
EMERGENCY RESPONSE OFFICE

DATE: Jan. 6, 1998 NO. OF PAGES: 8

TO: Lewis Mitani

COMPANY: EPA - 9. Federal Facilities Office

TELEPHONE: 744-2412 FAX (415) 744-1916

FROM: MIKE MIYASAKA

TELEPHONE: (808) 586-4249 FAX: (808) 586-7537

COMMENTS:

The latest analytical results on Dioxin at Waipio Peninsula Site (Pesticide Mixing) also sample location + site location map.

OPTIONAL FORM 99 (7-90)

FAX TRANSMITTAL

To AMY BAILOR	# of pages ▸ 5
Dept./Agency DOH	From DAWN RICHMOND
Fax # 808 586 7539	Phone # 415-744-1494
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GENERAL SERVICES ADMINISTRATION

UNITED STATES ENVIRONME
ENVIRONMENTAL S
REGI
25 FUNST
KANSAS CITY,

December 19, 1997

MEMORANDUM

SUBJECT: SAL06 Soil PCDD/PCDF Samples

FROM: Jeff Archer, Chemist
Analytical Operations, Regional Laboratory
Environmental Services Division

THRU: Robert Greenall, Program Manager
Analytical Operations, Regional Laboratory
Environmental Services Division

Andrea Jirka, Manager
Regional Laboratory
Environmental Services Division

TO: Dawn Richmond, Chemist
Quality Assurance, PMD-3, Region 9

The attached memo describes qualifiers that are used with the values found in the Oahu Sugar extracts. As discussed on the telephone, most values are considered to be estimates. The concentrations are shown on the additional attachment "Analysis Request Supplement Report." The samples were renamed with a Region 7 activity number SAL06. The numbers correspond as follows:

Region 9#	Region 7#
WPSS3	SAL06001
WPSS4	SAL06002
WPSS5	SAL06003
MLSS1	SAL06004
MLSS4	SAL06005

Please contact me at (913) 551-5099 or E-mail at archer.jeffrey@epamail.epa.gov.

Attachments

RECYCLE

DATE: December 19, 1997

SUBJECT: SAL06 Soil PCDD/PCDF Samples

FROM: Jeff Archer
Terry Crone

THRU: Robert Greenall
Region VII
ANOP Manager

TO: Primary File
Dawn Richmond, Region IX

General:

Region VII received 5 soil samples for PCDD/PCDF analyses. Concentrations below minimum calibration levels were given the minimum calibration value and "U"coded to note a detection limit. Each sample also has values that are "J" coded to indicate the numerical value is an estimated quantity. The "J" values were used when the concentration exceeded our calibration range. TCDF was not confirmed on a DB-Dioxin column since its contribution to the TEQ value was relatively insignificant.

Extractions:

Ten gram aliquots were extracted and analyzed. Since several chromatographic peaks were saturated, subsequent extractions of 1 to 1.5 grams were completed and analyzed. The samples were extracted following EPA Method 1613 protocol. A DMSO clean-up similar to that referenced in Chemosphere, Vol 18, pp69-76, was first used to remove aliphatic and polar compounds. Then all sample extracts were cleaned up using silica gel and acidic alumina columns as per Method 1613.

Daily Calibration:

Response and Relative Response factors were checked by calculating native and labeled concentrations and comparing to acceptable ranges. Several of the concentrations were slightly outside of acceptable limits, but had little or no effect on the data due to the high concentrations found.

Blanks:

The method blank, 902M, had hepta and octa PCDD/PCDF contamination. This was due to carryover from the first extraction attempt with 10 g aliquots. The carryover was low, relative to what was found in each of the samples. The carryover artificially raised the detection limit to 5 times the concentration found in the blank. This however, did not affect any data.

Method Standard:

The method standard, 902G, had hepta and octa PCDD/PCDF contamination. This was due to carryover from the first extraction attempt with 10 g aliquots. The carryover was low,